

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/27619

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : Please See Extra Sheet.

US CL : Please See Extra Sheet.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/338, 339, 403, 415, 422; 546/275.4, 277.4, 548/362.5, 504

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAS--structure

EAST/WEST--subclass, image

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| A | US 5,624,941 A (BARTH et al.) 29 April 1997, see entire article. | 1-20 |
| A, P | US 5,985,867 A (RODGERS et al.) 16 November 1999, see entire article. | 1-20 |
| X | Database, CAOLD on STN, Columbus, OH, USA, AN CA51:10524d, HELLMAN et al. 'N-Mannich bases (VI) condensation of N-dialkylaminomethylbenzamides with amines and amides, (VII) N-acylaminomethylation of indole.' Direct Submission. 1953, see RN 132515-49-2. | 1-11 |
| X | Database CA on STN. AN 72:66733, ROSENMUND et al. 'Chemistry of indole. II. Backmann and Schmidt rearrangements of some indole ketones' Chem. Ber. (1970) Vol.103, No.2, pages 496-509, see RN 25888-23-7. | 1-11 |

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

| | | |
|---|-----|--|
| * Special categories of cited documents: | "T" | later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "X" | document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "E" earlier document published on or after the international filing date | "Y" | document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "&" | document member of the same patent family |
| "O" document referring to an oral disclosure, use, exhibition or other means | | |
| "P" document published prior to the international filing date but later than the priority date claimed | | |

Date of the actual completion of the international search

21 NOVEMBER 2000

Date of mailing of the international search report

22 FEB 2001

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---------------|---|------------------------------------|
| X --- Y | Database CAPLUS on STN. AN 1977:439214. Columbus, OH, USA, MISZTAL et al. 'Synthesis and pharmacologic properties of pyridoyl derivatives of 3-methylaminoindole 2-methyltryptamine and isotryptamine.' Arch. Immuno. Ther. Exp. 1976, Vol. 24, No. 6, pages 851-862. see TN 63183-53-9, RN 63183-54-0. | 1-11, ----- 1-11, 13- 14, 17 |

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IPC (7):

IPC7 A61K 31/40, 31/44, 31/405, 31/415, 31/445; C07D 209/16, 231/56, 401/00

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US CL :

514/338, 339, 403, 415, 422; 546/275.4, 277.4, 548/362.5, 504